

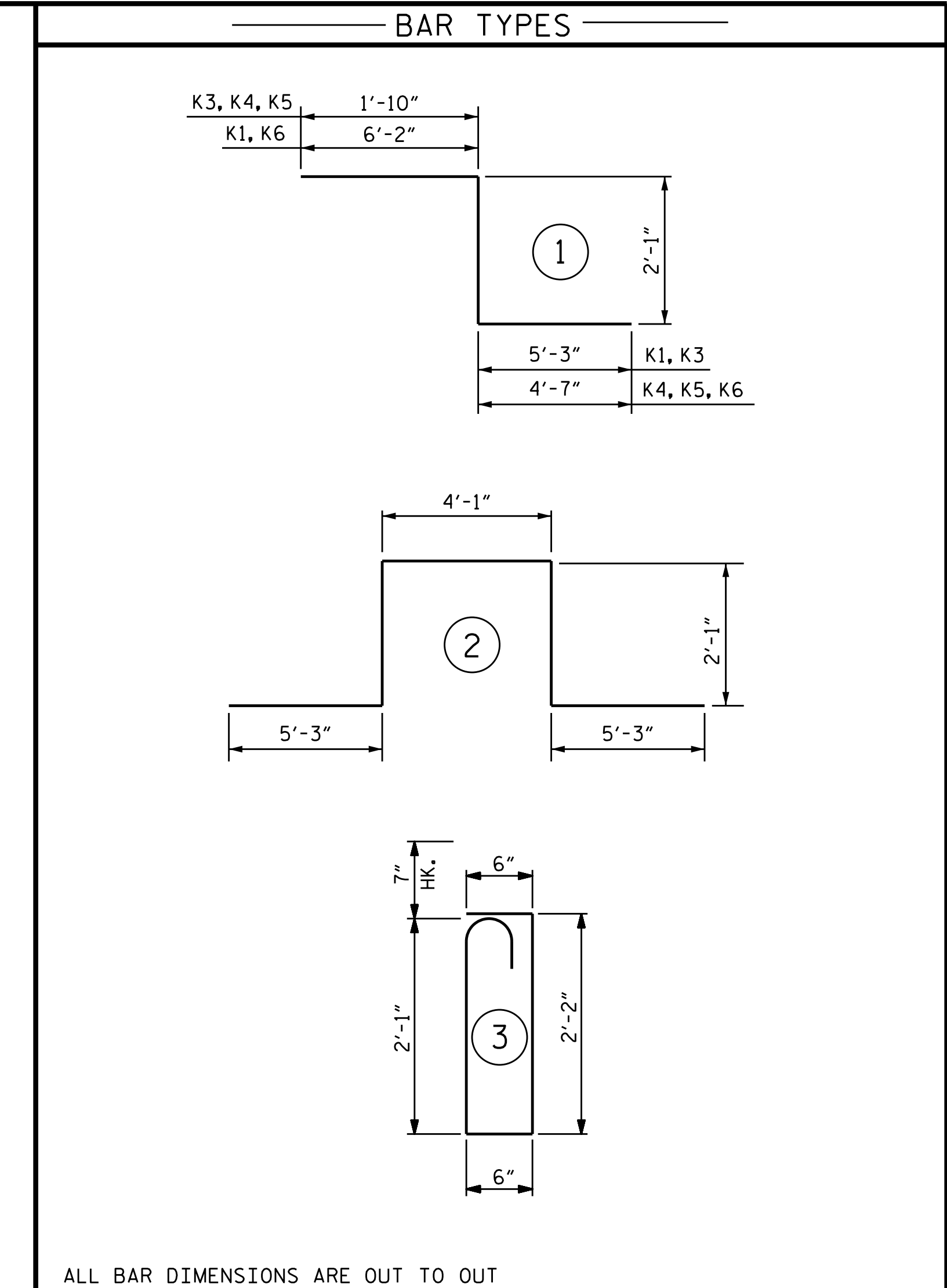
SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPETS, AND BARRIER RAILS		APPROACH SLABS		PARAPETS AND BARRIER RAILS
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#4	1'-11"	1'-7"	1'-11"	1'-7"	2'-6"
#5	2'-5"	2'-0"	2'-5"	2'-0"	3'-1"
#6	2'-10"	2'-5"	3'-7"	2'-5"	3'-8"
#7	4'-2"	2'-9"			
#8	4'-9"	3'-2"			

REINFORCING BAR SCHEDULE						
STAGE I						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
* A1	512	#5	STR	19'-5"	10,369	
A2	512	#5	STR	19'-5"	10,369	
* B1	56	#4	STR	29'-1"	1088	
* B2	104	#5	STR	35'-0"	3797	
* B3	52	#5	STR	28'-9"	1559	
* B4	14	#4	STR	39'-10"	373	
B5	70	#5	STR	57'-3"	4180	
B6	30	#5	STR	14'-8"	459	
* D1	512	#5	STR	6'-9"	3605	
D2	512	#5	STR	6'-9"	3605	
* G1	2	#5	STR	19'-5"	41	
* K1	4	#8	1	13'-6"	144	
* K2	4	#8	2	18'-9"	200	
* K3	4	#8	1	9'-2"	98	
* S1	16	#4	3	5'-10"	62	
REINFORCING STEEL					18,613 LBS.	
* EPOXY COATED REINF. STEEL					21,336 LBS.	

REINFORCING BAR SCHEDULE						
STAGE II						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
* A3	512	#5	STR	18'-2"	9701	
A4	512	#5	STR	18'-2"	9701	
* B1	32	#4	STR	29'-1"	622	
* B2	60	#5	STR	35'-0"	2190	
* B3	30	#5	STR	28'-9"	900	
* B4	8	#4	STR	39'-10"	213	
B5	55	#5	STR	57'-3"	3284	
B6	18	#5	STR	14'-8"	275	
* D1	512	#5	STR	6'-9"	3605	
D2	512	#5	STR	6'-9"	3605	
* G2	2	#5	STR	18'-2"	38	
* K5	4	#8	1	8'-6"	91	
* K6	4	#8	1	12'-10"	137	
* S1	8	#4	3	5'-10"	31	
REINFORCING STEEL					16,865 LBS.	
* EPOXY COATED REINF. STEEL					17,528 LBS.	

REINFORCING BAR SCHEDULE						
CLOSURE POUR						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
* B1	20	#4	STR	29'-1"	389	
* B2	36	#5	STR	35'-0"	1314	
* B3	20	#5	STR	28'-9"	600	
* B4	5	#4	STR	39'-10"	133	
B5	35	#5	STR	57'-3"	2090	
B6	12	#5	STR	14'-8"	184	
* K4	8	#8	1	8'-6"	182	
* S1	8	#4	3	5'-10"	31	
REINFORCING STEEL					2274 LBS.	
* EPOXY COATED REINF. STEEL					2649 LBS.	



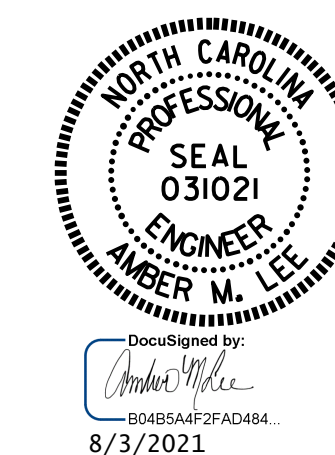
GROOVING BRIDGE FLOORS		
STAGE I		
APPROACH SLABS	454	SO.FT.
BRIDGE DECK	4597	SO.FT.
TOTAL	5051	SO.FT.
STAGE II		
APPROACH SLABS	420	SO.FT.
BRIDGE DECK	4251	SO.FT.
TOTAL	4671	SO.FT.
TOTAL		
APPROACH SLABS	874	SO.FT.
BRIDGE DECK	8848	SO.FT.
TOTAL	9722	SO.FT.

CONCRETE BREAKDOWN		
	CLASS AA CONCRETE (CU. YDS.)	
	STAGE I	STAGE II
POUR #1	162.1	95.2
POUR #2	24.9	14.6
POUR #3 (CLOSURE POUR)	----	65.9
TOTAL **	187.0	175.7

** QUANTITIES FOR BARRIER RAIL IS NOT INCLUDED

TOTAL BILL OF MATERIAL		
	REINFORCING STEEL (LBS.)	* EPOXY COATED REINFORCING STEEL (LBS.)
STAGE I	18,613	21,336
STAGE II	16,865	17,528
CLOSURE POUR	2,274	2649
TOTAL **	37,752	41,513

PROJECT NO. BR-0002
ASHE COUNTY
 STATION: 23+80.00 -L-
 SHEET 2 OF 2



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUPERSTRUCTURE BILL OF MATERIAL					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO.	S-23
TOTAL SHEETS	40

DRAWN BY : M. G. SHAIKH DATE : 06/2020
 CHECKED BY : A. LEE DATE : 06/2020
 DESIGN ENGINEER OF RECORD: K. PUROHIT DATE : 11/2019

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED